

# HARRISBURG AREA TIMEX SINCLAIR USERS GROUP NEWSLETTER JULY 1989

Our last meeting was held on June 9th. Attending were Lee Gayman, Ed Kapp and Myself. Machines present were two QLs and a Z88. I took a poll of what directions the group and newsletter will go in. It was decided not to make any changes at this time.

Our contract with the Camp Hill Mall only lasts six months so I went into the office and renewed. The July meeting will be on the first Friday. Someone else had the second Friday. The meetings for the rest of the year will be on the second Friday.

I don't have too much for the newsletter this month. There were not many submissions. There is a Z88 review which I wrote. Also here is a 2068 music program from Joan Kealy.

I am going to need more submissions for the newsletter. I would like to support all sinclair related machines both here and at the meetings.

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## N E X T M E E T I N G

Friday July 7th

Camp Hill Shopping Mall

Community Room

6:30 to 9:30 PM

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QZ QL - Z88 File Transfer Program  
Review by Dave Bennett

In order to archive Z88 BASIC programs on the QL disk drives I decided to try the QZ QL - Z88 file transfer program from Sector Software.

This arrived shortly after I ordered it. The package consists of a QL microdrive cartridge with the program on it and a cable to go between the QL and the Z88.

I discovered that the cable was configured for SER1 on the QL. No problem. I simply changed the serial device in the program from SER2 to SER1. Pressing 'P' gives you a settings menu called the Panel. The settings menu on the Z88 is also called the Panel. You can change the QL memory device, baud rates, serial port and turn the screen on or off. File transfers go faster with the screen off. I made sure that the QL and Z88 were set to the same settings. On the Z88 I make sure XON/XOFF was set to NO as hardware handshaking is used in the cable.

Now I could start testing the software.

There is a choice in the main menu to translate carriage returns between the QL and the Z88. Early on I discovered that files transfer best with this off.

QZ interfaces with the Z88 Import/Export program. You have the same menu choices as Import/Export such as 'S' for send file, 'R' for read or receive file, 'B' for batch receive and 'E' to send endbatch code.

The main menu in QZ also has some QL file maintenance options. You can rename a file, copy a file to printer, kill or delete a file and view a file. You can view a directory of a QL memory device. The last option is Quit to BASIC.

Now I sent some files back and forth between the two machines by typing 'S' and filename on the sending machine and 'R' and filename on the receiving machine. I could transfer files both ways with no problem. Any kind of file could be sent too. I could even send BASIC programs. I sent a Z88 BASIC program to the QL and back to the Z88. The program loaded

into BBC BASIC and ran. QZ does not use an error correcting protocol but somehow it works and works well. The transfers are also fairly quick. It is much faster than the terminal program I was using.

You can also use the batch file facility of Import/Export. You select 'B' for batch receive on the QL. Now you select send from the Import/Export menu. For a filename select something with wildcards. :RAM.\*//.\* will send all the files on the Z88 to the QL. :RAM.1//.\* will send all the files on :RAM.1 to the QL. The QL will beep every time it has received a file. When the files are all sent select endbatch on the Z88 to send the endbatch code to the QL. You can also send batch files from the QL to the Z88. You can send more than one file at a time by choosing a filename with wildcards on the QL.

There are some additional programs on the microdrive to translate between Pipedream and QL Archive files. I have version 2 of the software. I could not get these programs to work. At best I could transfer the Archive file to Pipedream. The file had a lot of garbage in it which could have been edited out with Pipedream.

The documentation mentions that Psion withheld the Archive storage format from the author. The author is working this out by hand so QZ will be able to make these conversions soon. The author will provide an update.

I am very pleased with this software. It is the best means I have found so far for backing up Z88 files on the QL. It does the job very well and reasonably fast. QZ sells for approximately \$40 from your favorite QL and Z88 dealer.

Here is another great 2068 music program from Joan Kealy

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1 LET M=0: PRINT AT 12,0: FLA
SH 1;"PROP UP LOWER EDGE OF KEYB
FOR SOUND
CARD " : PAUSE 200: FLASH 0
5 BORDER 0: BRIGHT 0: PAPER 7
: INK 0: CLS
10 PRINT AT 5,10;"E L E C T";A
T 10,9;"IS THE COLOR";AT 15,5;"O
F MY TRUE LOVE'S HAIR";AT 20,5;"
traditional folksong"
15 PAUSE 100: CLS : GO SUB 100
0
20 FOR N=1 TO 41: READ C,D,P,U
$: GO SUB C: PRINT TAB P+5;U$: B
EEP D,P: NEXT N
25 DATA 1060,1,4,"BLACK",1900,
1,7,"BLACK",1018,1,5,11,"BLACK",
30 DATA 1015,25,9,"IS",1018,
25,11,"THE",1060,25,4,"COLOR",1
900,25,4,"",1900,25,2,"OF",106
0,25,2,"MY",1020,5,6,"TRUE",19
00,5,2,"LOVE'S",1060,1,5,-1,"HA
IR"
35 DATA 1060,5,4,"HER",1900,1
,25,11,"LIPS",1060,25,4,"ARE",1
060,25,7,"SOME-",1900,25,11,"T
HING",1055,25,9,"WON-",1900,25
,7,"D'ROUS",1900,1,9,"FAIR",1910
,125,12,"THE",1900,125,14,""
1060,5,16,"PUR-",1900,125,16,"
EST",1900,125,14,"",1055,5,9,
"EYES"
40 DATA 1055,25,7,"AND",1900,
,25,7,"THE",1060,125,12,"DRAIN-",
1900,125,11,"",1900,125,9,"TI
-",1900,125,7,"EST",1900,75,4,
"HANDS"
45 DATA 1910,25,4,"I",1060,1,
25,11,"LOVE",1900,25,4,"THE",19
00,25,7,"GRASS",1900,25,11,"ON
",1055,25,9,"WHERE",1900,25,11
,"SHE",1900,1,5,12,"STANDS"
50 LET M=M+1: GO SUB 1910: PRI
NT AT 10,12;"OH": GO SUB 1060: B
EEP .5,11: BEEP .125,9: BEEP .12
5,7: GO SUB 1115: BEEP .125,6: B
EEP .125,4: BEEP .125,3: BEEP .1
25,4: GO SUB 1010: BEEP 1.5,6: G
O SUB 1910
55 FOR N=1 TO 43: READ C,D,P,U
$: GO SUB C: PRINT TAB P+5;U$: B
EEP D,P: NEXT N
60 DATA 1010,5,4,"I",1060,5,
11,"LOVE",1900,125,9,"MY",1900,
,125,11,"",1060,25,4,"LOVE",190
0,25,4,"AND",1060,25,2,"WELL",
1900,25,4,"SHE",1020,125,6,"KN
OWS",1900,125,2,"",1060,1,-1,""
65 DATA 1910,5,4,"I",1900,1,2
5,11,"LOVE",1060,25,4,"THE",190
0,25,7,"GRASS",1900,25,11,"ON"
,1015,25,9,"WHERE",1900,25,7,"
SHE",1900,1,9,"GOES"
70 DATA 1910,125,12,"IF",1900
,125,14,"",1060,5,16,"SHE",190
0,125,16,"ON",1900,125,14,"",1
055,5,9,"EARTH",1900,125,7,"NO
",1900,125,9,"",1060,125,12,"H
ORE",1900,125,11,"",1900,125,9
,"I'D",1900,125,7,"",1055,75,4,
"SEE"
75 DATA 1910,25,4,"MY",1060,1
,25,11,"LIFE",1900,25,4,"WOULD"
,1060,25,7,"QUICK-",1900,25,11
,"LY",1015,25,9,"FADE",1900,25
,11,"A-",1018,1,5,12,"WAY",1055,
,25,9,"FADE",1900,25,11,"A-",19
00,1,5,12,"WAY"

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80 GO SUB 1910
85 FOR N=1 TO 12: READ C,D,P,U
#: GO SUB C: PRINT TAB P+5;U#: B
EEP D,P: NEXT N
90 DATA 1060,1,4,"BLACK",1900,
1,7,"BLACK",1018,1,5,11,"BLACK",
1015,.25,9,"IS",1018,.25,11,"THE",
"1060,.25,4,"COL-",1900,.25,4,"
OR",1900,.25,2,"OF",1900,.25,4,"
MY",1020,.5,6,"TRUE",1900,.5,2,"
LOVE'S",1060,2,-1,"HAIR!"
95 GO SUB 1999
100 IF M=1 THEN RESTORE 55: GO
TO 50
105 STOP
1000 SOUND 7,56;8,16;9,15;10,16;
11,20;12,40;13,13: RETURN: REM
ON
1010 SOUND 0,221;1,0;2,175;3,0;4
,147;5,0: RETURN: REM B MAJ
1015 SOUND 0,209;1,0;2,165;3,0;4
,139;5,0: RETURN: REM C MAJ
1017 SOUND 0,162;1,1;2,75;3,1;4,
23;5,1: RETURN: REM LOWER C MAJ
1018 SOUND 0,165;1,0;2,139;3,0;4
,104;5,0: RETURN: REM C MAJ cho
rd inversion egc--hi & sweet
1020 SOUND 0,186;1,0;2,147;3,0;4
,124;5,0: RETURN: REM D MAJ
1055 SOUND 0,248;1,0;2,209;3,0;4
,165;5,0: RETURN: REM A MIN
1060 SOUND 0,165;1,0;2,139;3,0;4
,110;5,0: RETURN: REM E MIN
1115 SOUND 0,147;1,0;2,117;3,0;4
,98;5,0: RETURN: REM F# MAJ
1900 RETURN: REM DUMMY CHORD TO
REGULATE DATA
1910 GO SUB 1999: PAUSE 30: GO S
UB 1000: CLS: RETURN
1999 SOUND 7,63;8,0;9,0;10,0: RE
TURN: REM OFF
9020 REM to enable Channel A: SO
UND 7,62;B-SOUND 7,61;C-SOUND 7,
59;A & B-SOUND 7,60;A & C-SOUND
7,58;B & C-SOUND 7,57;A,B,C--SOUND
7,56: REM MOST EFFECTIVE
9997 STOP
9998 CLEAR: SAVE "BLACOLOR" LIN
E 1

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This is a demo program of all the chords used in Joan's music programs. This should be useful for programmers wanting to create similar programs.

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1 REM to add to program for c
hording beeps
2 FOR a=1000 TO 1165 STEP 5:
GO SUB a: PAUSE 60: NEXT a
20 STOP: REM to enable Channe
l A: SOUND 7,62;B-SOUND 7,61;C-S
OUND 7,59;A & B-SOUND 7,60;A & C
-SOUND 7,58;B & C-SOUND 7,57;A,B
,C--SOUND 7,56: REM MOST EFFECTIVE
1000 SOUND 7,56;8,15;9,15;10,15;
11,255;12,255;13,255: RETURN: R
EM ON
1005 SOUND 0,248;1,0;2,197;3,0;4
,165;5,0: RETURN: REM A MAJ
1010 SOUND 0,221;1,0;2,175;3,0;4
,147;5,0: RETURN: REM B MAJ
1015 SOUND 0,209;1,0;2,165;3,0;4
,139;5,0: RETURN: REM C MAJ
1017 SOUND 0,162;1,1;2,75;3,1;4,
23;5,1: RETURN: REM LOWER C MAJ
1018 SOUND 0,165;1,0;2,139;3,0;4
,104;5,0: RETURN: REM C MAJ cho
rd inversion egc--hi & sweet
1020 SOUND 0,186;1,0;2,147;3,0;4
,124;5,0: RETURN: REM D MAJ

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1025 SOUND 0,165;1,0;2,131;3,0;4
,110;5,0: RETURN: REM E MAJ
1030 SOUND 0,156;1,0;2,124;3,0;4
,104;5,0: RETURN: REM F MAJ
1035 SOUND 0,139;1,0;2,110;3,0;4
,93;5,0: RETURN: REM G MAJ
1040 SOUND 0,209;1,0;2,175;3,0;4
,139;5,0: RETURN: REM C MINOR (
FLAT THE 3RD ANY MINOR)
1045 SOUND 0,156;1,0;2,131;3,0;4
,104;5,0: RETURN: REM F MINOR
1050 SOUND 0,186;1,0;2,156;3,0;4
,124;5,0: RETURN: REM D MINOR D
FNATURAL A
1055 SOUND 0,248;1,0;2,209;3,0;4
,165;5,0: RETURN: REM A MIN
1060 SOUND 0,165;1,0;2,139;3,0;4
,110;5,0: RETURN: REM E MIN
1065 SOUND 0,23;1,1;2,234;3,0;4,
186;5,0: RETURN: REM G MIN
1070 SOUND 0,221;1,0;2,186;3,0;4
,156;5,0: RETURN: REM B DIMINIS
HED FLAT 3RD & 5TH
1075 SOUND 0,165;1,0;2,139;3,0;4
,117;5,0: RETURN: REM E DIM
1080 SOUND 0,186;1,0;2,156;3,0;4
,131;5,0: RETURN: REM D DIM
1085 SOUND 0,156;1,0;2,124;3,0;4
,98;5,0: RETURN: REM F AUGMENTE
D (MAJOR SHARP THE 5TH)
1090 SOUND 0,186;1,0;2,147;3,0;4
,117;5,0: RETURN: REM D AUG
1095 SOUND 0,23;1,1;2,221;3,0;4,
175;5,0: RETURN: REM G AUG
1100 SOUND 0,209;1,0;2,165;3,0;4
,131;5,0: RETURN: REM C AUG
1105 SOUND 0,234;1,0;2,186;3,0;4
,156;5,0: RETURN: REM B FLAT MA
J
1110 SOUND 0,221;1,0;2,186;3,0;4
,147;5,0: RETURN: REM B MIN
1115 SOUND 0,147;1,0;2,124;3,0;4
,98;5,0: RETURN: REM F# MIN
1120 SOUND 0,175;1,0;2,117;3,0;4
,124;5,0: RETURN: REM D# DIM OR
Eb DIM
1122 SOUND 0,95;1,1;2,39;3,1;4,2
48;5,0: RETURN: REM D# DIM (D#F#
A) lower version
1125 SOUND 0,175;1,0;2,139;3,0;4
,117;5,0: RETURN: REM Eb
1130 SOUND 0,7;1,1;2,209;3,0;4,1
75;5,0: RETURN: REM Ab
1135 SOUND 0,162;1,1;2,95;3,1;4,
39;5,1: RETURN: REM low C dim
1140 SOUND 0,156;1,0;2,131;3,0;4
,110;5,0: RETURN: REM F DIM
1145 SOUND 0,197;1,0;2,165;3,0;4
,139;5,0: RETURN: REM C# DIM
1150 SOUND 0,234;1,0;2,197;3,0;4
,165;5,0: RETURN: REM Bb DIM
1155 SOUND 0,234;1,0;2,197;3,0;4
,156;5,0: RETURN: REM Bb MIN
1160 SOUND 0,209;1,0;2,175;3,0;4
,147;5,0: RETURN: REM C DIM NO
COARSE
1900 RETURN: REM DUMMY CHORD TO
REGULATE DATA
1999 SOUND 7,63;8,0;9,0;10,0: RE
TURN: REM OFF
9997 STOP
9998 CLEAR: SAVE "QUICKCHORD+" L
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**You are Cordially Invited to Attend**

**The A.C.E.**

**ALL-USERS'-GROUPS PICNIC**

To be held at The New Cumberland Borough Park on  
August 19, 1989  
From 11 AM until 5 PM

WE THINK THIS IS GOING TO BE ~~THE~~ LOCAL COMPUTER EVENT OF SUMMER, 1989, AND WE'D REALLY LIKE TO SEE YOUR USERS' GROUP REPRESENTED!

THIS PICNIC WILL BE OPEN TO THE GENERAL PUBLIC, SO BE SURE TO BRING ALONG PLENTY OF CLUB LITERATURE, MEMBERSHIP INFORMATION, ETC. IN FACT, SHOULD YOU CARE TO BRING A POSTER-SIZE ADVERTISEMENT FOR YOUR GROUP, THERE WILL BE SPACE AVAILABLE TO DISPLAY IT. ALSO, LOCAL MEDIA SOURCES ARE BEING ADVISED OF THE EVENT, SO WE ARE ANTICIPATING AT LEAST SOME MEASURE OF COVERAGE.

WE WANT THIS TO BE A REAL FAMILY-STYLE AFFAIR, SO PACK UP THE KIDS AND A PICNIC LUNCH AND COME OUT FOR A GOOD TIME! BRING A GRILL IF YOU LIKE...THERE WILL BE PLENTY OF SPACE TO SET IT UP, AND THERE IS PLAYGROUND EQUIPMENT AVAILABLE FOR THE KIDS.

IN COMPLIANCE WITH PARK REGULATIONS, WE MUST ASK YOU TO REFRAIN FROM BRINGING PETS OR ALCOHOLIC BEVERAGES.

**Hoping to see you there!**